

Docket No. 520.43596X00
Serial No. 10/791,823
Office Action dated October 18, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A liquid cooling system, comprising:
 - a pump for supplying a cooling liquid;
 - a heat-receiving jacket, being supplied with said cooling liquid, for receiving heat from an electronic parts;
 - a radiator, being supplied with said cooling liquid passing through said heat-receiving jacket, for radiation heat therefrom; and
 - flow passages for circulating said cooling liquid in a route passing through said radiator back to said pump, wherein:
 - an ion exchange bag, having a water-permeable bag enclosing an ion exchange resin therein, is disposed in a part of said route, and
 - said ion exchange bag enables ion exchange through diffusion on a surface thereof.

2. (Currently Amended) The liquid cooling system, as described in the claim 1, wherein:

the ion exchange bag, having the water-permeable bag enclosing the ion exchange resin therein, is held within a container, ~~and said ion exchange holder being exchangeable with the ion exchange bag is provided in said container.~~

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3. (Previously Presented) The liquid cooling system, as described in the claim 1,
wherein:

said ion exchange bag is disposed within an inside or a downstream of said radiator, and also in one of parts building up the liquid cooling system in an upstream of said heat-receiving jacket.

4. (Currently Amended) The liquid cooling system, as described in the claim 2,
wherein:

said ion exchange bag ~~or said ion exchange holder~~ is disposed within an inside or a downstream of said radiator, and also in one of parts building up the liquid cooling system in an upstream of said heat-receiving jacket.

5. (Currently Amended) An electronic apparatus, comprising:

a heat-generation element mounted on a substrate;

a heat-receiving jacket, being thermally connected to said heat-generation element;

a heat radiation jacket for radiating heat of a heated liquid supplied from said heat-receiving jacket;

a pump for circulating the liquid to those jackets; and

a piping for connecting said pump and said both jackets, wherein:

an ion exchange bag, having a water-permeable bag enclosing ion exchange resin therein, is provided on way of said piping, and

said ion exchange bag enables ion exchange through diffusion on a surface thereof.

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6. (New) The liquid cooling system of claim 1, wherein said ion exchange bag is in the form of an exchange holder.

7. (New) The liquid cooling system of claim 6, wherein said ion exchange holder is held within a container.

8. (New) The liquid cooling system of claim 6, wherein said ion exchange holder is disposed within an inside or a downstream of said radiator, and also in one of parts building up the liquid cooling system in an upstream of said heat-receiving jacket.